

Claims

1. A valve assembly, said assembly comprising a valve body having a bore running along the length thereof, said bore controlled between open and closed positions by two selectively operable valve arrangements positioned within the valve body, said body formed from at least first and second valve body parts, said parts joined at an interface intermediate the ends of the valve body and characterised in that the valve body further includes, at at least one end thereof, at least one port, said at least one port having an opening at an end face of the valve body and said port depending inwardly from the end face into the valve body for the reception of a locating means to allow the valve to be joined with a pipeline end at the said end face.

2. An assembly according to claim 1 wherein the said at least one port is located to lie within the valve body.

3 An assembly according to claim 1 wherein a series of spaced ports are provided at each end of the said valve body.

4. An assembly according to claim 1 wherein the location means are a series of bolts, each bolt provided to pass through a matching aperture in a flange at the pipeline end and into one of the ports in the valve body.

5. An assembly according to claim 1 wherein the at least one port provided in the valve body is a blind port.

6. An assembly according to claim 1 wherein the valve body parts are joined at the interface to form the valve body by a series of the location means each passing along a channel in one of the body parts into an aperture in the other of said body parts.

7. An assembly according to claim 6 wherein the interface lies substantially perpendicular to the longitudinal axis of the bore passing through the valve body.

8. An assembly according to claim 1 wherein the spacing between and/or location of a plurality of said ports at the end of the valve body is such that the ports are offset with respect to the channels which receive the location means for attaching the valve body parts together at the interface.

9. An assembly according to claim 1 wherein a bleed valve is mounted on one of the two parts of the valve body.

10. An assembly according to claim 1 wherein eight ports are provided at each end to allow the valve body to be connected to the adjacent flange of a pipeline.

11. An assembly according to claim 1 wherein the valve body has a length which complies with the required length in accordance with ANSI 16.10.

12 An assembly according to claim 1 wherein the outer surface of the valve body at and adjacent to the respective ends of the body is free from any outwardly projecting formations.

13 A double block and bleed valve assembly for connection to first and second pipeline ends, said pipeline ends provided with a flange with apertures at spaced locations for the reception of location means which pass through said apertures and into spaced ports provided in the respective ends of the valve body and wherein the valve assembly body is of substantially the same outer surface dimensions along the length thereof.

14 An assembly according to claim 13 wherein the outer dimension of the valve body is similar to the outer dimension of the pipeline flange.

15 A double block and bleed valve assembly, said assembly comprising a valve body having a bore running along the length thereof, said bore movable between open and closed positions by two selectively operable valve arrangements positioned in line along the bore within the valve body, said body formed from first and second parts, said parts joined at an interface intermediate the ends of the valve body and wherein the valve body further includes at at least one end thereof, a series of spaced ports, said ports depending inwardly from the end face and provided for the reception of location means to pass through the matching respective apertures provided on a pipeline flange and said ports located wholly within the valve body to allow the valve to be directly joined with said pipeline via contact between the end face of the valve body and the pipeline flange.

16 A pipeline assembly incorporating a pipeline with at least one double block and bleed valve assembly fitted thereto, said assembly comprising a valve body having a bore running along the length thereof, said bore controlled between open and closed position by two selectively operable valve arrangements positioned along the bore to allow the selective flow of a fluid along the said pipeline and valve bore when the valve is open, and characterised in that the valve body includes at the end faces which are joined to the pipeline ends, a series of spaced ports, each of said ports having an opening at the end face of the valve body and depending inwardly from the end face into the valve body for the reception of a locating bolt which pass through an aperture provided in a flange at the pipeline

end and into the port in the valve body to allow the valve to be joined with a pipeline end.